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EDUCATION

1994 – 2000: California Institute of Technology, Pasadena, California, USA

M.S. in Geophysics, 1997.

Ph.D. in Geophysics, 2000.

- Thesis: The Crustal Stress Field in Southern California and its Implications for Fault Mechanics.
- Advisors: Dr. Egill Hauksson, Prof. Hiroo Kanamori.

1989 – 1993: Cornell University, Ithaca, New York, USA

A.B. in Computer Science, 1993.

PROFESSIONAL EXPERIENCE

2003 – Present: Earthquake Hazards Team, United States Geological Survey, Menlo Park, CA, USA

Research Geophysicist

2000 – 2003: Institute of Geophysics and Planetary Physics, Scripps Institution of Oceanography, U.C. San Diego, La Jolla, CA, USA

Cecil H. and Ida M. Green Postdoctoral Scholar

1994 – 2000: Division of Geological and Planetary Sciences, California Institute of Technology, Pasadena, CA, USA

Graduate Research and Teaching Assistant

HONORS

2007 James B. Macelwane Medalist, American Geophysical Union.

2006 Charles F. Richter Early Career Award, Seismological Society of America.

SERVICE

Associate Editor for the *Bulletin of the Seismological Society of America*, 2002-present.

PUBLICATIONS

- Hardebeck, J. L.**, K. R. Felzer, A. J. Michael, Improved Tests Reveal that the Accelerating Moment Release Hypothesis is Statistically Insignificant, *J. Geophys. Res.*, in press, 2008.
- McLaren, M. K., **J. L. Hardebeck**, N. van der Elst, J. Unruh, G. W. Bawden, J. L. Blair, Complex faulting associated with the 22 December 2003 Mw6.5 San Simeon, California earthquake, aftershocks and postseismic deformation, *Bull. Seism. Soc. Am.*, in press, 2008.
- Hardebeck, J. L.**, A. J. Michael, T. M. Brocher, Seismic Velocity Structure and Seismotectonics of the Eastern San Francisco Bay Region, California, *Bull. Seism. Soc. Am.*, 97, 826-842, 2007.
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- Hardebeck, J. L.** and A. J. Michael, Damped Regional-Scale Stress Inversions: Methodology and Examples for Southern California and the Coalinga Aftershock Sequence, *J. Geophys. Res.*, 111, B11310, doi:10.1029/2005JB004144, 2006.
- Thurber, C., H. Zhang, F. Waldhauser, **J. Hardebeck**, A. Michael, D. Eberhart-Phillips, Three-Dimensional Compressional Wavespeed Model, Earthquake Relocations, and Focal Mechanisms for the Parkfield, California, Region, *Bull. Seism. Soc. Am.*, 96, S38-S49, 2006.
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- Bakun, W. H., B. Aagaard, B. Dost, W. L. Ellsworth, **J. L. Hardebeck**, R. A. Harris, C. Ji, M. J. S. Johnston, J. Langbein, J. J. Lienkaemper, A. J. Michael, J. R. Murray, R. M. Nadeau, P. A. Reasenberg, M. S. Reichle, E. A. Roeloffs, A. Shakal, R. W. Simpson and F. Waldhauser, Implications for prediction and hazard assessment from the 2004 Parkfield earthquake, *Nature* 437, 969-974, 2005.
- Langbein, J., D. Dreger, J. Fletcher, **J. L. Hardebeck**, M. Hellweg, C. Ji, M. Johnston, J. R. Murray, R. Nadeau, M. J. Rymer, J. A. Treiman, Preliminary Report on the 28 September 2004, M 6.0 Parkfield, California Earthquake, *Seism. Res. Lett.*, 76, 10-26, 2005.
- Becker, T. W., **J. L. Hardebeck**, G. Anderson, Constraints on fault slip rates of the southern California plate boundary from GPS velocity and stress inversions, *Geophys. J. Int.*, doi:10.1111/j.1365-246X.2004.02528.x, 2004.
- Hardebeck, J. L.**, and A. J. Michael, Stress orientations at intermediate angles to the San Andreas Fault, California, *J. Geophys. Res.*, 109, B11303, doi:10.1029/2004JB003239, 2004.
- Hardebeck, J. L.**, Stress Triggering and Earthquake Probability Estimates, *J. Geophys. Res.*, 109, B04310, doi:10.1029/2003JB002437, 2004.
- Hardebeck, J. L.**, J. Boatwright, D. Dreger, R. Goel, V. Graizer, K. Hudnut, C. Ji, L. Jones, J. Langbein, J. Lin, E. Roeloffs, R. Simpson, K. Stark, R. Stein, J. C. Tinsley, Preliminary Report on the 22 December 2003 M6.5 San Simeon, California, Earthquake, *Seism. Res. Lett.*, 75, 155-172, 2004.

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- Hardebeck, J. L.** and E. Hauksson, Stress orientations obtained from earthquake focal mechanisms: What are appropriate uncertainty estimates?, *Bull. Seism. Soc. Am.*, 91, 250-262, 2000.
- Scientists from the U.S. Geological Survey, Southern California Earthquake Center, and California Division of Mines and Geology, Preliminary Report on the 10/16/1999 M7.1 Hector Mine, California, Earthquake, *Seism. Res. Lett.*, 71, 11-23, 2000.
- Hardebeck, J. L.** and E. Hauksson, Role of Fluids in Faulting Inferred from Stress Field Signatures, *Science*, 285, 236-239, 1999.
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